#### Version 0 Interoperability Test SFQ05

#### **Test Objectives:**

Verify that the ECS SDPS and the EOSDIS V0 can exchange Directory, Inventory, and Guide information. Conduct browse activities and exchange pricing/accounting information and products to demonstrate interoperability. During the B.0 timeframe, there will be one-way interoperability. ECS users will be able to retrieve V0 data using the B0SOT. However, V0 users will not be able to access ECS data until ECS Release B.1. This test package contains tests to be conducted during the B.0 and B.1 timeframe. Functionality that will be tested in the Release B.1 timeframe has "Release B.1 functionality" indicated.

The objectives of this test are to verify that the:

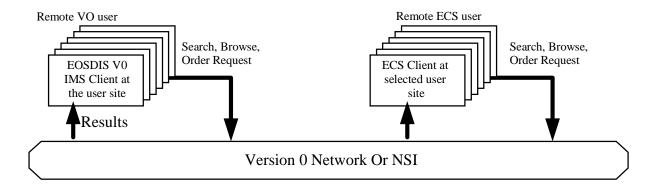
- ECS SDPS can access Directory information from the EOSDIS V0 IMS
- ECS SDPS can access Inventory information from the EOSDIS V0 IMS
- ECS SDPS can access Guide information from the EOSDIS V0 IMS (Release B.1 functionality)
- ECS SDPS can conduct Browse activities against the EOSDIS V0 IMS
- ECS SDPS can receive pricing/accounting information from the EOSDIS V0 IMS (Release B.1 functionality)
- ECS SDPS can order data products from the EOSDIS V0 IMS
- EOSDIS V0 IMS can access Directory information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can access Inventory information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can access Guide information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can conduct Browse activities against the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can receive pricing/accounting information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can order data products from the ECS SDPS

This set of tests will confirm that scientist and non-scientist users will be able to enter specific requests for images and other data. The test will also confirm that data orders are provided via both FTP and magnetic media. The test package execution includes both the ECS client accessing the V0 server and the V0 client accessing the ECS server (Release B.1 functionality) via an Xwindows GUI on UNIX Workstations and the World Wide Web.

#### Requirements verified:

EOSD1695#B EOSD1740#B EOSD5030#B IMS-0625#B IMS-0915#B V0-0010#B V0-0060#B V0-0070#B V0-0080#B V0-0090#B V0-0100#B V0-0110#B V0-0120#B V0-0150#B V0-0160#B V0-0170#B V0-0180#B V0-0190#B V0-0200#B V0-0230#B V0-0240#B V0-0350#B V0-0370#B V0-0380#B

## **Test Configuration:**







## **Test Case Summary:**

The following table summarizes the test cases contained within the SFQ05 test package. Test cases have been identified for each of the DAACs. For the Release B.0 timeframe GSFC, LaRC, NSIDC and EDC will have a local version of the Release B.0 Search and Order Tool Client (B0SOT). Queries will be built using the DAAC's local version of the Release B.0 Client that will query each of the Version 0 DAACs for Directory, Guide (Rel. B.1 functionality) and Inventory information. Integrated Browse, pricing/accounting (Rel. B.1 functionality) and product orders requests will also be conducted.

Test Case	Mission/	Test Description
ID	Instrument	
SFQ05.1.1	See Table 5-2	GSFC DAAC testing (one-way interoperability) using the ECS Client (B0SOT) to query and receive results from the V0 Servers at each of the V0 DAACs. The test will include Directory, Inventory, and Browse searches, and product ordering.
SFQ05.1.2	See Table 5-2	Release B.1 Functionality, GSFC DAAC testing (two way interoperability) using the V0 Client to query the ECS Servers at each of the ECS DAACs. The test will include Directory, Inventory, Guide and Browse searches, product pricing information exchange and product requests.
SFQ05.2.1	See Table 5-2	LaRC DAAC testing (one-way interoperability) using the ECS Client (B0SOT) to query and receive results from the V0 Servers at each of the V0 DAACs. The test will include Directory, Inventory, and Browse searches, and product ordering.
SFQ05.2.2	See Table 5-2	Release B.1 Functionality, LaRC DAAC testing (two way interoperability) using the V0 Client to query the ECS Servers at each of the ECS DAACs. The test will include Directory, Inventory, Guide and Browse searches, product pricing information exchange and product requests.
SFQ05.3.1	See Table 5-2	EDC DAAC testing (one-way interoperability) using the ECS Client (B0SOT) to query and receive results from the V0 Servers at each of the V0 DAACs. The test will include Directory, Inventory, and Browse searches, and product ordering.
SFQ05.3.2	See Table 5-2	Release B.1 Functionality, EDC DAAC testing (two way interoperability) using the V0 Client to query the ECS Servers at each of the ECS DAACs. The test will include Directory, Inventory, Guide and Browse searches, product pricing information exchange and product requests.
SFQ05.4.1	See Table 5-2	NSIDC DAAC testing (one-way interoperability) using the ECS Client (B0SOT) to query and receive results from the V0 Servers at each of the V0 DAACs. The test will include Directory, Inventory, and Browse searches, and product ordering.

SFQ05.4.2	See Table 5-2	Release B.1 Functionality, NSIDC DAAC testing (two
		way interoperability) using the V0 Client to query the
		ECS Servers at each of the ECS DAACs. The test will
		include Directory, Inventory, Guide and Browse
		searches, product pricing information exchange and
		product requests.

Table 5-1 SFQ05 Test Summary

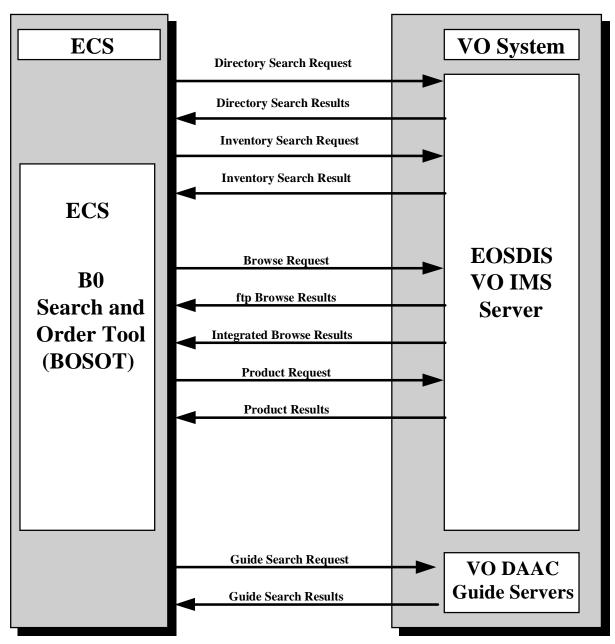


EXHIBIT 5-2 ECS as client; V0 as server

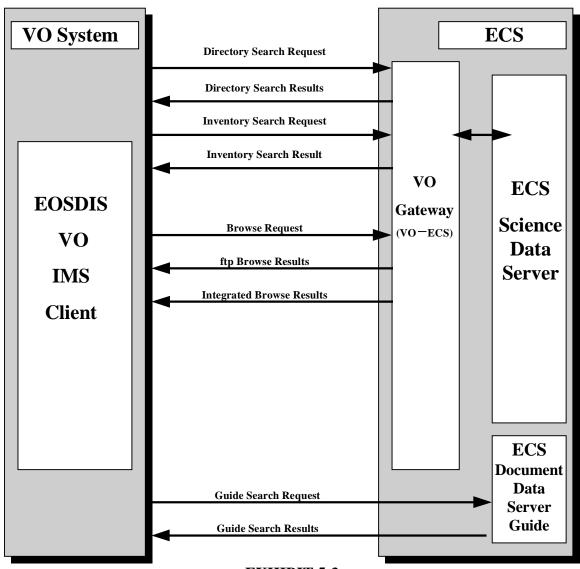


EXHIBIT 5-3 V0 as client; ECS as server

## **Participants and Support Requirements:**

## A. Participating Organizations:

M&O Support at ASF DAAC

M&O Support at CIESIN DAAC

M&O Support at EDC DAAC

M&O Support at GSFC DAAC

M&O Support at JPL DAAC

M&O Support at LaRC DAAC

M&O Support at NOAA DAAC

M&O Support at NSDIS DAAC

M&O Support at ORNL DAAC

#### **B.** Communications:

Voice: phone lines to systems personnel

#### **E. Prerequisites:**

ECS Release B.0 Client delivered to and accessible at the B.0 DAACs.

Note: If using a remote downloaded version of the IMS Client be sure that the Dependent Valids listing is updated.

#### F. Test Data:

The following test data sets have been selected for SFQ05. For Release B.0 testing, only Version 0 datasets will be required, since two-way interoperability will not be available in Release B.0. To verify that the Release B.0 Client can access data at all the V0 DAACs, queries will be submitted to each of the V0 DAACs from each of the B.0 Clients located at EDC, GSFC, LaRC and NSIDC. Specific test data sets to be used for Release B.1 testing will be finalized prior to Release B.1 test execution.

Data Source/Physical Location	Missions	Test Description	Test Station	Test Case ID
ASF		Directory/Inventory/ Browse/Product Request	Either by Telnet or local access at: EDC, GSFC, LaRC, NSIDC	All
CIESIN		Directory/Inventory/ Browse/Product Request	Either by Telnet or local access at: EDC, GSFC, LaRC, NSIDC	All
EDC	NOAA-6	Directory/Inventory/ Browse/Product Request	Either by Telnet or local access at: EDC, GSFC, LaRC, NSIDC	All
GSFC	NOAA-7	Directory/Inventory/ Browse/Product Request	Either by Telnet or local access at: EDC, GSFC, LaRC, NSIDC	All
JPL	TOPEX/Poseidon	Directory/Inventory/ Browse/Product Request	Either by Telnet or local access at: EDC, GSFC, LaRC, NSIDC	All
LaRC	ERBS	Directory/Inventory/ Browse/Product Request	Either by Telnet or local access at: EDC, GSFC,	All

Data Source/Physical Location	Missions	Test Description	Test Station	Test Case ID
			LaRC, NSIDC	
NOAA	/AVHRR		Either by	All
			Telnet or local	
			access at:	
			EDC, GSFC,	
			LaRC, NSIDC	
NSIDC			Either by	All
			Telnet or local	
			access at:	
			EDC, GSFC,	
			LaRC, NSIDC	
ORNL			Either by	All
			Telnet or local	
			access at:	
			EDC, GSFC,	
			LaRC, NSIDC	

Table 5-2 Test data for Release B.0

#### **Test Case Descriptions:**

## 5.1.1 Directory, Inventory, Browse and Product Orders at the EDC DAAC

EDC DAAC (ECS as the Client, V0 as the Server)

This test case is to verify that the ECS Client located at the EDC DAAC can perform Directory and Inventory searches, conduct browse activities and order V0 data products.

Initial queries using the V0 Client to query for predetermined datasets (reference Table 5-2) at each of the V0 DAACs will be performed, and the results logged. Then the ECS Client at the EDC DAAC, will be used to query for the same datasets to determine that the ECS Client receives the same results as the V0 Client.

For testing in the B.1 timeframe, this test will be executed, and will include Guide search/results, as well as pricing/accounting information exchange.

Requirements to be verified:

EOSD1695#B EOSD5030#B IMS-0625#B IMS-0915#B V0-0010#B V0-0060#B V0-0070#B V0-0100#B V0-0110#B V0-0120#B V0-0200#B V0-0350#B V0-0370#B

Step ID	Test Station	Actions	Expected Results	Comments
1.001		Ensure the V0 System is up and ready for access		
1.002		Verify the test data is available, review and record data sets available		
1.003		Verify the V0 Client is available for access on the PC or Workstation		
1.004		Record system and software information. IP address of PC or WS, environment setup, known problems and other relevant information including date and time of test.		
2.001		Log on to the PC or WS located at the DAAC, or via Telnet		
2.002		Input command to initialize the V0 IMS	EOSDIS V0 IMS initializing	
2.003		Select OK button	Welcome Screen	

2.004	Select Search Screen button	Search screen appears	

2.017	At the prompt, click yes	Inventory search screen is displayed.	
2.018	Select the "Geographic Area" button		Select area specified in Table 5-2
2.019	Select the "Select From the Map"	Geographic selection screen appears	
2.020	Select the "Search Screen"	Returns to "Search Screen"	
2.021	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears	
2.022	When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed	
2.023	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned	
2.024	Select the order button	Returns the Order Screen	
2.025	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness
2.026	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.	
2.027	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order	
2.028	Log ID number for future reference		
2.029	Repeat steps 2.004 through 2.028		
2.030	Select the "Close" buttons on each screen	As the "Close" buttons are selected the Client backs out screen by screen until finished	Log off the V0 Client
2.031	Log on to the PC or WS		Log on to the ECS Client (B0SOT)
2.032	Type in the command to access the BOSOT.	A screen indicating access to the tool is displayed.	IMS GUI initialized
2.033	Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available
2.034	Click on User Profile and enter information: Save when information is	This information is stored and referenced on subsequent logins.	

	complete.		
2.035	Click on "Directory" for type of search desired.	Directory search screen appears	
2.036	Choose Parameters information indicated in	Information selected is displayed on the	
	Table 5-2 for each DAAC	screen.	
2.037	Click on the "Save Search" button to save the selected parameters.	This search may be re- used later for regression purposes	Choose a save set name to identify the Test Case ID number (e.g., SFQ5.1.1B0)
2.038	Click on "Execute Search" button	The directory search window results appear	
2.039	View the "Communications Status" screen for status of the directory search in progress	Data Transmission status is indicated.	
2.040	Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully	The transaction is complete and data sets are available for viewing and transfer	
2.041	If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.	Additional information is displayed about the data transaction.	
2.042	Click on the "View Data" button to view the data sets available.	Several data sets and ID information are indicated on the directory results screen	
2.043	Verify that the data set information matches the parameter selections from the search screen	Data sets are expected to match the input parameters.	
2.044	Click on the "Count" button to select a data set.	The data set chosen is highlighted.	
2.045	Click on "Detailed Directory" button	Detailed directory information is displayed.	
2.046	Select each option and verify the information is based on the parameter information selected.	Detailed information is provided on the screen as each option is chosen.	
2.047	Verify the accuracy of the following information: a) Brief Description, b) Attribute, c) Data Center, d) Personnel, e) References	All information should correspond to the criteria selected.	
2.048	Under the "Go To" menu	Directory Results	

	select the Current Data Set Information option	Screen appears.	
2.049	Under the "Go To" menu	A Prompt appears "Do	
2.04)	select "Inventory" on	you wish to confirm	
	selected data set	search parameters?	
2.050	Select yes "To confirm	Inventory Search	
2.030	search parameters".	screen appears.	
2.051	Choose 1) Campaign Project	Information selected is	
2.001	2) Platform/Source 3)	displayed on the	
	Instrument/Sensor 4)	screen.	
	Parameter 5) All processing		
	levels 6) Data set and Data		
	Center Information indicated		
	in Table 5-2		
2.052	Select the Geographic Area	A map appears to select	Select each option for
	coverage options 1) Select	Latitude and Longitude	separate searches
	from Map	parameters	
2.053	Select the 2) Rectangular	Choose S or N Latitude	
	Option	and E or W Longitude	
2.054	Select the 3) Four Corners	A screen appears with	
	Option	Four Corners and	
		Latitude and Longitude	
		is selected.	
2.055	Select the 4) Point and	A screen appears to	
	Range Option	select the Center Points	
		for Longitude and	
		Latitude	
2.056	Select the 5) Global		
2.057	Granules Only Option	A	
2.037	Select the 6) Global Search Option	A map appears to select the Northernmost,	
	Option	Southernmost,	
		Easternmost and	
		Westernmost Area	
2.058	Select "Both" for Day and	,, esterminost 1 11 cu	
2.000	Night Coverage		
2.059	Select the number of		The default is 100. Use
	Granules		100 for the inital search
			and change for
			subsequent searches.
2.060	Choose the Continuous Time		Select the Annually
	Range Coverage		Repeating Time Period
			for subsequent searches
			and alternate.
2.061	Click on the "Save Search"	The search information	
	button to save the parameters	is saved.	
2.062	Click on the "Execute	Communications Status	
	Search" button	screen appears	
		indicating status and	
		number of granules	
[		found.	
2.063	In the "View" column click	Inventory Results	

	on "Data"	screen is displayed	
2.064	Select Data set indicated in	1 ,	
	Table 5-2 by clicking on the		
	"Count" button		
2.065	Under the "Go To" menu,	Browse Results Screen	
	select Browse	is displayed	
2.066	Verify browse image size		Compare to data from
			V0 query results
2.067	Click on View Image	Browse Image is	
		displayed	
2.068	Click the "Mark for Order"		
	radio button		
2.069	Click the "Close" button		
2.070	Verify the Inventory Results	Y is indicated in the	
	screen indicates the product	column O next to the	
	has been selected for order	dataset desired	
2.071	Click on the "Order Data"	Order Data screen	
	button	appears	
2.072	Click on Package ID, select	Package Options	
	package options: 1)	selection screen	
	Processing Option, 2) Media	appears	
2.072	Type, 3) Media Format	0.1 D	
2.073	Click on OK	Order Data Screen	
2.074		appears	
2.074	Click on Submit Order	Order Data Communication Status	
		appears indicating transmission of request.	
2.075	After Order request is	Information is	
2.073	transmitted successfully,	displayed pertaining to	
	Select "View Contact	the order (e.g., Data	
	Information"	Center, ID number,	
		phone numbers, etc.)	
2.076	Repeat steps 2.033 through		
	2.075 until all queries listed		
	in Table 5-2 have been		
	completed.		
2.077	Select Close on all screens	Client "backs out"	
3.001	Compare all data sets with	The data sets are	
	the ones expected. Verify the	expected to match the	
	amount of data, time	criteria and the	
	coverage and benchmark	benchmark data sets.	
2.002	information available		
3.002	Indicate any discrepancies	TD1 1	
3.003	Verify that all searches have	The searches are	
	been saved before exiting the	expected to be saved	
2 004	system. Log off the system.	for future test cases.	
3.004	Verify all sessions have been terminated. Retrieve		
	terminated. Retrieve printouts for future reference		
	and further analysis.		
	and futurer analysis.		
		1	

#### 5.1.2 Directory, Inventory, Browse and Product Orders at the EDC DAAC (B.1)

EDC DAAC (V0 as the Client, ECS as the Server)

Accessing ECS from the V0 Client is a Release B.1 capability.

This test case is to verify two-way interoperability. Using the V0 Client located at the EDC DAAC to query the ECS servers for Directory, Guide and Inventory searches, conduct browse activities and order ECS data products archived at the ECS DAACs. The test will also verify that pricing information (ECS B.1 capability) is received.

Initial queries using the ECS Client to query for predetermined datasets (reference Table 5-2) at each of the ECS DAACs will be performed, and the results logged. Then the V0 Client will be used to query for the same datasets at the ECS DAACs, to determine that the V0 Client receives the same results as the ECS Client.

#### Requirements verified:

EOSD1695#B IMS-0625#B IMS-0915#B V0-0010#B V0-0150#B V0-0160#B V0-0170#B V0-0180#B V0-0190#B V0-0200#B V0-0230#B V0-0240#B V0-0350#B V0-0380#B EOSD1740#B

Step ID	Test	Actions	Expected Results	Comments
	Station			
1.001		Ensure the ECS System is up		
		and ready for access		
1.002		Verify the test data is		
		available, review and record		
		data sets available		
1.003		Verify the ECS Client is		
		available for access on the		
		PC or Workstation		
1.004		Record system and software		
		information. IP address of		
		PC or WS, environment		
		setup, known problems and		
		other relevant information		
		including date and time of		
		test.		
2.001		Log on to the PC or WS		Log on to the ECS
		_		Client (B0SOT)
2.002		Type in the command to	A screen indicating	·
		access the BOSOT.	access to the tool is	
			displayed.	

2.003	Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available
2.004	Click on User Profile and enter information: Save when information is complete.	This information is stored and referenced on subsequent logins.	
2.005	Click on "Directory" for type of search desired.	Directory search screen appears	
2.006	Choose Parameters information indicated in Table 5-2 for each DAAC	Information selected is displayed on the screen.	
2.007	Click on the "Save Search" button to save the selected parameters.	This search may be re- used later for regression purposes	Choose a save set name to identify the Test Case ID number (e.g., SFQ5.1.1B0)
2.008	Click on "Execute Search" button	The directory search window results appear	
2.009	View the "Communications Status" screen for status of the directory search in progress	Data Transmission status is indicated.	
2.010	Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully	The transaction is complete and data sets are available for viewing and transfer	
2.011	If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.	Additional information is displayed about the data transaction.	
2.012	Click on the "View Data" button to view the data sets available.	Several data sets and ID information are indicated on the directory results screen	
2.013	Verify that the data set information matches the parameter selections from the search screen	Data sets are expected to match the input parameters.	
2.014	Click on the "Count" button to select a data set.	The data set chosen is highlighted.	
2.015	Click on "Detailed Directory" button	Detailed directory information is displayed.	
2.016	Select each option and verify the information is based on the parameter information selected.	Detailed information is provided on the screen as each option is chosen.	

2.017	X7 'C 4 C 4	A11 : C .: 1 11	
2.017	Verify the accuracy of the	All information should	
	following information: a)	correspond to the	
	Brief Description, b)	criteria selected.	
	Attribute, c) Data Center, d)		
	Personnel, e) References		
2.018	Under the "Go To" menu	Directory Results	
	select the Current Data Set	Screen appears.	
	Information option	Transfer of the state of the st	
2.019	Under the "Go To" menu	A Prompt appears " Do	
2.01)		you wish to confirm	
	_ = = = = = = = = = = = = = = = = = = =	•	
2.020	selected data set	search parameters?	
2.020	Select yes "To confirm	Inventory Search	
	search parameters".	screen appears.	
2.021	Choose 1) Campaign Project	Information selected is	
	2) Platform/Source 3)	displayed on the	
	Instrument/Sensor 4)	screen.	
	Parameter 5) All processing		
	levels 6) Data set and Data		
	Center Information indicated		
	in Table 5-2		
2.022	Select the Geographic Area	A map appears to select	Select each option for
2.022			-
	coverage options 1) Select	Latitude and Longitude	separate searches
	from Map	parameters	
2.023	Select the 2) Rectangular	Choose S or N Latitude	
	Option	and E or W Longitude	
2.024	Select the 3) Four Corners	A screen appears with	
	Option	Four Corners and	
		Latitude and Longitude	
		is selected.	
2.025	Select the 4) Point and	A screen appears to	
	Range Option	select the Center Points	
	- First	for Longitude and	
		Latitude	
2.026	Select the 5) Global	Latitude	
2.020	· ·		
2.027	Granules Only Option		
2.027	Select the 6) Global Search	A map appears to select	
	Option	the Northernmost,	
		Southernmost,	
		Easternmost and	
		Westernmost Area	
2.028	Select "Both" for Day and		
	Night Coverage		
2.029	Select the number of		The default is 100. Use
	Granules Granules		100 for the inital search
	Sianuics		and change for
			_
2.020			subsequent searches.
2.030	Choose the Continuous Time		Select the Annually
	Range Coverage		Repeating Time Period
			for subsequent searches
			and alternate.
2.031	Click on the "Save Search"	The search information	
	button to save the parameters	is saved.	

2.022	CIL 1 1 15	G : .: G	
2.032	Click on the "Execute Search" button	Communications Status screen appears indicating status and number of granules	
		found.	
2.033	In the "View" column click on "Data"	Inventory Results screen is displayed	
2.034	Select Data set indicated in Table 5-2 by clicking on the "Count" button		
2.035	Under the "Go To" menu, select Browse	Browse Results Screen is displayed	
2.036	Verify browse image size		Compare to data from V0 query results
2.037	Click on View Image	Browse Image is displayed	
2.038	Click the "Mark for Order" radio button		
2.039	Click the "Close" button		
2.040	Verify the Inventory Results screen indicates the product has been selected for order	Y is indicated in the column O next to the dataset desired	
2.041	Click on the "Order Data" button	Order Data screen appears	
2.042	Click on Package ID, select package options: 1) Processing Option, 2) Media Type, 3) Media Format	Package Options selection screen appears	
2.043	Click on OK	Order Data Screen appears	
2.044	Click on Submit Order	Order Data Communication Status appears indicating transmission of request.	
2.045	After Order request is transmitted successfully, Select "View Contact Information"	Information is displayed pertaining to	
2.046	Repeat steps 2.003 through 2.045 until all queries listed in Table 5-2 have been completed.		
2.047	Select Close on all screens	Client "backs out"	
2.048	Log on to the PC or WS located at the DAAC, or via Telnet		
2.049	Input command to initialize the V0 IMS	EOSDIS V0 IMS initializing	
2.050	Select OK button	Welcome Screen	
2.051	Select Search Screen button	Search screen appears	
2.052	Select the Directory radio	The radio button will	

	button	appear depressed. The	
	button	screen will change accordingly informing you of special restrictions and	
		options.	
2.053	Select input criteria indicated in Table 5-2 for each DAAC, from the list of options presented to you		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for datasets from all V0 DAACs
2.054	Select Save Search button to save the selected criteria		Select name like GSFC5.1.1 for tracking purposes
2.055	Select Execute Search button from the bottom of the screen	Communications Status screen appears	
2.056	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted		
2.057	If the "Comments" button is highlighted Select it and observe the results	Returns a Comments sreen	
2.058	When the "Completed Status" column is green under the column labeled View, select the data button	"Directory Results Screen" is displayed	
2.059	After verifying that the information matches the criteria selected, select one of the datasets (reference Table 5-2) by clicking on the "count" button.	Highlights the dataset selected	
2.060	Click on Detail Directory button	Provides Detailed directory information	
2.061	Observe the following information: a) Brief Description, b) Attributes, c) Data Center, d) Personnel, e) Reference	All information should correspond to input selected	
2.062	Under the "Go To" menu, select "Current Data Set Information	Directory Results Screen Appears	
2.063	Select the Data set and under the "Go To" menu select Inventory, Selected data set	Prompt: Do you wish to confirm search parameters?	
2.064	At the prompt, click yes	Inventory search screen is displayed.	

2.065	Select the "Geographic Area" button		Select area specified in Table 5-2
2.066	Select the "Select From the Map"	Geographic selection screen appears	
2.067	Select the "Search Screen"	Returns to "Search Screen"	
2.068	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears	
2.069	When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed	
2.070	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned	
2.071	Select the order button	Returns the Order Screen	
2.072	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness
2.073	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.	
2.074	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order	
2.075	Log ID number for future reference		
2.076	Repeat steps 2.051 through 2.076 until all DAACs have been queried.		
2.077	Select the "Close" buttons on each screen	As the "Close" buttons are selected the Client backs out screen by screen until finished	Log off the V0 Client
3.001	Compare all data sets with the ones expected. Verify the amount of data, time coverage and benchmark information available	The data sets are expected to match the criteria and the benchmark data sets.	
3.002	Indicate any discrepancies		
3.003	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.	
3.004	Verify all sessions have been terminated. Retrieve printouts for future reference		

	and further analysis.		
	and randing and		i

## 5.2.1 Directory, Inventory, Browse and Product Orders at the GSFC DAAC

GSFC DAAC (ECS as the Client, V0 as the Server)

This test case is to verify that the ECS Client located at the GSFC DAAC can perform Directory and Inventory searches, conduct browse activities and order/receive V0 data products (via FTP or electronic media).

Initial queries using the V0 Client to query for predetermined datasets (reference Table 5-2) at each of the V0 DAACs will be performed, and the results logged. Then the ECS Client at the GSFC DAAC, will be used to query for the same datasets to determine that the ECS Client receives the same results as the V0 Client.

For testing in the B.1 timeframe, this test will be executed, and will include Guide search/results, as well as pricing and accounting information exchange.

### Requirements verified:

EOSD1695#B IMS-0625#B V0-0010#B V0-0060#B V0-0070#B V0-0080#B V0-0090#B V0-0100#B V0-0110#B V0-0120#B V0-0240#B V0-0350#B

Step ID	Test Station	Actions	Expected Results	Comments
1.001		Ensure the V0 System is up and ready for access		
1.002		Verify the test data is available, review and record data sets available		
1.003		Verify the V0 Client is available for access on the PC or Workstation		
1.004		Record system and software information. IP address of PC or WS, environment setup, known problems and other relevant information including date and time of test.		
2.001		Log on to the PC or WS located at the DAAC, or via Telnet		
2.002		Input command to initialize the V0 IMS	EOSDIS V0 IMS initializing	
2.003		Select OK button	Welcome Screen	
2.004		Select Search Screen button	Search screen appears	
2.005		Select the Directory radio	The radio button will	

	button	appear depressed. The	
		screen will change accordingly informing you of special	
		restrictions and options.	
2.006	Select input criteria indicated in Table 5-2 for each DAAC, from the list of options presented to you		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for datasets from all V0 DAACs
2.007	Select Save Search button to save the selected criteria		Select name like GSFC5.1.1 for tracking purposes
2.008	Select Execute Search button from the bottom of the screen	Communications Status screen appears	
2.009	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted		
2.010	If the "Comments" button is highlighted Select it and observe the results	Returns a Comments sreen	
2.011	When the "Completed Status" column is green under the column labeled View, select the data button	"Directory Results Screen" is displayed	
2.012	After verifying that the information matches the criteria selected, select one of the datasets (reference Table 5-2) by clicking on the "count" button.	Highlights the dataset selected	
2.013	Click on Detail Directory button	Provides Detailed directory information	
2.014	Observe the following information: a) Brief Description, b) Attributes, c) Data Center, d) Personnel, e) Reference	All information should correspond to input selected	
2.015	Under the "Go To" menu, select "Current Data Set Information	Directory Results Screen Appears	
2.016	Select the Data set and under the "Go To" menu select Inventory, Selected data set	Prompt: Do you wish to confirm search parameters?	
2.017	At the prompt, click yes	Inventory search screen is displayed.	

2.018	Select the "Geographic Area" button		Select area specified in Table 5-2
2.019	Select the "Select From the Map"	Geographic selection screen appears	
2.020	Select the "Search Screen"	Returns to "Search Screen"	
2.021	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears	
2.022	When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed	
2.023	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned	
2.024	Select the order button	Returns the Order Screen	
2.025	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness
2.026	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.	
2.027	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order	
2.028	Log ID number for future reference		
2.029	Repeat steps 2.004 through 2.028		
2.030	Select the "Close" buttons on each screen	As the "Close" buttons are selected the Client backs out screen by screen until finished	Log off the V0 Client
2.031	Log on to the PC or WS		Log on to the ECS Client (B0SOT)
2.032	Type in the command to access the BOSOT.	A screen indicating access to the tool is displayed.	IMS GUI initialized
2.033	Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available
2.034	Click on User Profile and enter information: Save when information is complete.	This information is stored and referenced on subsequent logins.	
2.035	Click on "Directory" for type	Directory search screen	

	of search desired.	appears	
2.036	Choose Parameters	Information selected is	
2.030	information indicated in	displayed on the	
	Table 5-2 for each DAAC	screen.	
2.037	Click on the "Save Search"	This search may be re-	Choose a save set name
2.037	button to save the selected	used later for	to identify the Test Case
	parameters.	regression purposes	ID number (e.g.,
	parameters.	regression purposes	SFQ5.1.1B0)
2.038	Click on "Execute Search"	The directory search	(C)
	button	window results appear	
2.039	View the "Communications	Data Transmission	
	Status" screen for status of	status is indicated.	
	the directory search in		
	progress		
2.040	Verify that each button is	The transaction is	
	highlighted, indicating a	complete and data sets	
	successful completion: Open	are available for	
	Connection, Sending	viewing and transfer	
	Message, Receiving Results,		
	Completed Successfully		
2.041	If the "Comments" button is	Additional information	
	highlighted, this may	is displayed about the	
	indicate that data is	data transaction.	
	continuing to be accessed.		
	Click on "Comments" button		
	to read additional		
	information concerning data		
	requested.		
2.042	Click on the "View Data"	Several data sets and	
	button to view the data sets	ID information are	
	available.	indicated on the	
		directory results screen	
2.043	Verify that the data set	Data sets are expected	
	information matches the	to match the input	
	parameter selections from	parameters.	
2011	the search screen		
2.044	Click on the "Count" button	The data set chosen is	
2045	to select a data set.	highlighted.	
2.045	Click on "Detailed	Detailed directory	
	Directory" button	information is	
2.046	Calant and antion and vanify	displayed.  Detailed information is	
2.040	Select each option and verify		
	the information is based on	provided on the screen as each option is	
	the parameter information selected.	_ <u>*</u>	
2.047	Verify the accuracy of the	chosen.  All information should	
2.04/	following information: a)	correspond to the	
	Brief Description, b)	criteria selected.	
	Attribute, c) Data Center, d)	CITICITA SCIECICA.	
	Personnel, e) References		
2.048	Under the "Go To" menu	Directory Results	
2.040	select the Current Data Set	Screen appears.	
	Information option	screen appears.	
	тпотпаноп орноп		<u> </u>

2.049	Under the "Go To" menu select "Inventory" on	A Prompt appears "Do you wish to confirm	
	selected data set	search parameters?	
2.050	Select yes "To confirm	Inventory Search	
	search parameters".	screen appears.	
2.051	Choose 1) Campaign Project	Information selected is	
	2) Platform/Source 3)	displayed on the	
	Instrument/Sensor 4)	screen.	
	Parameter 5) All processing		
	levels 6) Data set and Data Center Information indicated		
	in Table 5-2		
2.052	Select the Geographic Area	A map appears to select	Select each option for
2.032	coverage options 1) Select	Latitude and Longitude	separate searches
	from Map	parameters	separate searches
2.053	Select the 2) Rectangular	Choose S or N Latitude	
	Option	and E or W Longitude	
2.054	Select the 3) Four Corners	A screen appears with	
	Option	Four Corners and	
		Latitude and Longitude	
2.055		is selected.	
2.055	Select the 4) Point and	A screen appears to	
	Range Option	select the Center Points for Longitude and	
		Latitude	
2.056	Select the 5) Global	Dantage	
2.000	Granules Only Option		
2.057	Select the 6) Global Search	A map appears to select	
	Option	the Northernmost,	
		Southernmost,	
		Easternmost and	
2.058	Select "Both" for Day and	Westernmost Area	
2.038	Night Coverage		
2.059	Select the number of		The default is 100. Use
	Granules		100 for the inital search
			and change for
			subsequent searches.
2.060	Choose the Continuous Time		Select the Annually
	Range Coverage		Repeating Time Period
			for subsequent searches
2.061	Click on the "Save Search"	The search information	and alternate.
2.001	button to save the parameters	is saved.	
2.062	Click on the "Execute	Communications Status	
	Search" button	screen appears	
		indicating status and	
		number of granules	
		found.	
2.063	In the "View" column click	Inventory Results	
2.064	on "Data"	screen is displayed	
2.064	Select Data set indicated in		

	Table 5-2 by clicking on the "Count" button		
2.065	Under the "Go To" menu, select Browse	Browse Results Screen is displayed	
2.066	Verify browse image size		Compare to data from V0 query results
2.067	Click on View Image	Browse Image is displayed	
2.068	Click the "Mark for Order" radio button		
2.069	Click the "Close" button		
2.070	Verify the Inventory Results screen indicates the product has been selected for order	Y is indicated in the column O next to the dataset desired	
2.071	Click on the "Order Data" button	Order Data screen appears	
2.072	Click on Package ID, select package options: 1) Processing Option, 2) Media Type, 3) Media Format	Package Options selection screen appears	
2.073	Click on OK	Order Data Screen appears	
2.074	Click on Submit Order	Order Data Communication Status appears indicating transmission of request.	
2.075	After Order request is transmitted successfully, Select "View Contact Information"	Information is displayed pertaining to the order (e.g., Data Center, ID number, phone numbers, etc.)	
2.076	Repeat steps 2.033 through 2.075 until all queries listed in Table 5-2 have been completed.		
2.077	Select Close on all screens	Client "backs out"	
3.001	Compare all data sets with the ones expected. Verify the amount of data, time coverage and benchmark information available	The data sets are expected to match the criteria and the benchmark data sets.	
3.002	Indicate any discrepancies		
3.003	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.	
3.004	Verify all sessions have been terminated. Retrieve printouts for future reference and further analysis.		

# 5.2.2 Directory, Inventory, Browse and Product Orders at the GSFC DAAC (B.1)

GSFC DAAC (V0 as the Client, ECS as the Server)

Accessing ECS from the V0 Client is a Release B.1 capability.

This test case is to verify two-way interoperability. Using the V0 Client located at the GSFC DAAC to query the ECS servers for Directory, Guide and Inventory searches, conduct browse activities and order ECS data products archived at the ECS DAACs. The test will also verify that pricing information (ECS B.1 capability) is received.

Initial queries using the ECS Client to query for predetermined datasets (reference Table 5-2) at each of the ECS DAACs will be performed, and the results logged. Then the V0 Client will be used to query for the same datasets at the ECS DAACs, to determine that the V0 Client receives the same results as the ECS Client.

### Requirements verified:

EOSD1695#B IMS-0625#B IMS-0915#B V0-0010#B V0-0150#B V0-0160#B V0-0170#B V0-0180#B V0-0190#B V0-0200#B V0-0230#B V0-0240#B V0-0350#B V0-0380#B EOSD1740#B

Step ID	Test	Actions	Expected Results	Comments
	Station			
1.001		Ensure the ECS System is up		
		and ready for access		
1.002		Verify the test data is		
		available, review and record		
		data sets available		
1.003		Verify the ECS Client is		
		available for access on the		
		PC or Workstation		
1.004		Record system and software		
		information. IP address of		
		PC or WS, environment		
		setup, known problems and		
		other relevant information		
		including date and time of		
		test.		
2.001		Log on to the PC or WS		Log on to the ECS
				Client (B0SOT)
2.002		Type in the command to	A screen indicating	IMS GUI initialized
		access the BOSOT.	access to the tool is	
			displayed.	
2.003		Select the Advertising icon	Advertising	Verify data selected
		on the workstation desktop	information will be	from the V0 queries is
			displayed.	available
2.004		Click on User Profile and	This information is	

		T	
	enter information: Save	stored and referenced	
	when information is	on subsequent logins.	
	complete.		
2.005	Click on "Directory" for type	Directory search screen	
	of search desired.	appears	
2.006	Choose Parameters	Information selected is	
	information indicated in	displayed on the	
	Table 5-2 for each DAAC	screen.	
2.007	Click on the "Save Search"	This search may be re-	Choose a save set name
	button to save the selected	used later for	to identify the Test Case
	parameters.	regression purposes	ID number (e.g.,
			SFQ5.1.1B0)
2.008	Click on "Execute Search"	The directory search	
	button	window results appear	
2.009	View the "Communications	Data Transmission	
	Status" screen for status of	status is indicated.	
	the directory search in		
	progress		
2.010	Verify that each button is	The transaction is	
	highlighted, indicating a	complete and data sets	
	successful completion: Open	are available for	
	Connection, Sending	viewing and transfer	
	Message, Receiving Results,		
	Completed Successfully		
2.011	If the "Comments" button is	Additional information	
	highlighted, this may	is displayed about the	
	indicate that data is	data transaction.	
	continuing to be accessed.		
	Click on "Comments" button		
	to read additional		
	information concerning data		
	requested.		
2.012	Click on the "View Data"	Several data sets and	
	button to view the data sets	ID information are	
	available.	indicated on the	
		directory results screen	
2.013	Verify that the data set	Data sets are expected	
	information matches the	to match the input	
	parameter selections from	parameters.	
	the search screen		
2.014	Click on the "Count" button	The data set chosen is	
	to select a data set.	highlighted.	
2.015	Click on "Detailed	Detailed directory	
	Directory" button	information is	
		displayed.	
2.016	Select each option and verify	Detailed information is	
	the information is based on	provided on the screen	
	the parameter information	as each option is	
	selected.	chosen.	
2.017	Verify the accuracy of the	All information should	
,	following information: a)	correspond to the	
	Brief Description, b)	criteria selected.	
	Attribute, c) Data Center, d)		
l	, 3) Zata Conton, a)	1	I

	Personnel, e) References		
2.018	Under the "Go To" menu	Directory Results	
	select the Current Data Set	Screen appears.	
	Information option		
2.019	Under the "Go To" menu	A Prompt appears "Do	
	select "Inventory" on	you wish to confirm	
	selected data set	search parameters?	
2.020	Select yes "To confirm	Inventory Search	
	search parameters".	screen appears.	
2.021	Choose 1) Campaign Project	Information selected is	
	2) Platform/Source 3)	displayed on the	
	Instrument/Sensor 4)	screen.	
	Parameter 5) All processing		
	levels 6) Data set and Data		
	Center Information indicated		
2.022	in Table 5-2	A mon opposes to select	Coloot cook antian Con
2.022	Select the Geographic Area coverage options 1) Select	A map appears to select Latitude and Longitude	Select each option for separate searches
	from Map	parameters	separate searches
2.023	Select the 2) Rectangular	Choose S or N Latitude	
2.023	Option Rectangular	and E or W Longitude	
2.024	Select the 3) Four Corners	A screen appears with	
2.021	Option Option	Four Corners and	
	opusi.	Latitude and Longitude	
		is selected.	
2.025	Select the 4) Point and	A screen appears to	
	Range Option	select the Center Points	
		for Longitude and	
		Latitude	
2.026	Select the 5) Global		
	Granules Only Option		
2.027	Select the 6) Global Search	A map appears to select	
	Option	the Northernmost,	
		Southernmost,	
		Easternmost Area	
2.028	Select "Both" for Day and	Westernmost Area	
2.020	Night Coverage		
2.029	Select the number of		The default is 100. Use
2.02)	Granules		100 for the inital search
			and change for
			subsequent searches.
2.030	Choose the Continuous Time		Select the Annually
	Range Coverage		Repeating Time Period
			for subsequent searches
			and alternate.
2.031	Click on the "Save Search"	The search information	
	button to save the parameters	is saved.	
2.032	Click on the "Execute	Communications Status	
	Search" button	screen appears	
		indicating status and	
		number of granules	

		found.	
2.033	In the "View" column click	Inventory Results	
2.033	on "Data"	screen is displayed	
2.034	Select Data set indicated in	sereem is displayed	
2.03	Table 5-2 by clicking on the		
	"Count" button		
2.035	Under the "Go To" menu,	Browse Results Screen	
	select Browse	is displayed	
2.036	Verify browse image size	1 7	Compare to data from
			V0 query results
2.037	Click on View Image	Browse Image is	1
		displayed	
2.038	Click the "Mark for Order"	1 2	
	radio button		
2.039	Click the "Close" button		
2.040	Verify the Inventory Results	Y is indicated in the	
	screen indicates the product	column O next to the	
	has been selected for order	dataset desired	
2.041	Click on the "Order Data"	Order Data screen	
	button	appears	
2.042	Click on Package ID, select	Package Options	
	package options: 1)	selection screen	
	Processing Option, 2) Media	appears	
	Type, 3) Media Format		
2.043	Click on OK	Order Data Screen	
		appears	
2.044	Click on Submit Order	Order Data	
		Communication Status	
		appears indicating	
		transmission of request.	
2.045	After Order request is	Information is	
	transmitted successfully,	displayed pertaining to	
	Select "View Contact	the order (e.g., Data	
	Information"	Center, ID number,	
		phone numbers, etc.)	
2.046	Repeat steps 2.003 through		
	2.045 until all queries listed		
	in Table 5-2 have been		
2017	completed.		
2.047	Select Close on all screens	Client "backs out"	
2.048	Log on to the PC or WS		
	located at the DAAC, or via		
2 0 40	Telnet	ECCENT IN THE	
2.049	Input command to initialize	EOSDIS V0 IMS	
2.050	the V0 IMS	initializing	
2.050	Select OK button	Welcome Screen	
2.051	Select Search Screen button	Search screen appears	
2.052	Select the Directory radio	The radio button will	
	button	appear depressed. The	
		screen will change	
		accordingly informing	
		you of special	<u> </u>

		restrictions and options.	
2.053	Select input criteria indicated in Table 5-2 for each DAAC, from the list of options presented to you		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for datasets from all V0 DAACs
2.054	Select Save Search button to save the selected criteria		Select name like GSFC5.1.1 for tracking purposes
2.055	Select Execute Search button from the bottom of the screen	Communications Status screen appears	
2.056	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted		
2.057	If the "Comments" button is highlighted Select it and observe the results	Returns a Comments sreen	
2.058	When the "Completed Status" column is green under the column labeled View, select the data button	"Directory Results Screen" is displayed	
2.059	After verifying that the information matches the criteria selected, select one of the datasets (reference Table 5-2) by clicking on the "count" button.	Highlights the dataset selected	
2.060	Click on Detail Directory button	Provides Detailed directory information	
2.061	Observe the following information: a) Brief Description, b) Attributes, c) Data Center, d) Personnel, e) Reference	All information should correspond to input selected	
2.062	Under the "Go To" menu, select "Current Data Set Information	Directory Results Screen Appears	
2.063	Select the Data set and under the "Go To" menu select Inventory, Selected data set	Prompt: Do you wish to confirm search parameters?	
2.064	At the prompt, click yes	Inventory search screen is displayed.	
2.065	Select the "Geographic Area" button		Select area specified in Table 5-2
2.066	Select the "Select From the Map"	Geographic selection screen appears	

2.067	Select the "Search Screen"	Returns to "Search Screen"	
2.068	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears	
2.069	When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed	
2.070	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned	
2.071	Select the order button	Returns the Order Screen	
2.072	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness
2.073	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.	
2.074	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order	
2.075	Log ID number for future reference		
2.076	Repeat steps 2.051 through 2.075		
2.077	Select the "Close" buttons on each screen	As the "Close" buttons are selected the Client backs out screen by screen until finished	Log off the V0 Client
3.001	Compare all data sets with the ones expected. Verify the amount of data, time coverage and benchmark information available	The data sets are expected to match the criteria and the benchmark data sets.	
3.002	Indicate any discrepancies		
3.003	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.	
3.004	Verify all sessions have been terminated. Retrieve printouts for future reference and further analysis.		

# **5.3.1** Directory, Inventory, Browse and Product Orders at the LaRC DAAC

LaRC DAAC (ECS as the Client, V0 as the Server)

This test case is to verify that the ECS Client located at the LaRC DAAC can perform Directory and Inventory searches, conduct browse activities and order V0 data products.

Initial queries using the V0 Client to query for predetermined datasets (reference Table 5-2) at each of the V0 DAACs will be performed, and the results logged. Then the ECS Client at the LaRC DAAC, will be used to query for the same datasets to determine that the ECS Client receives the same results as the V0 Client.

For testing in the B.1 timeframe, this test will be executed, and will include Guide search/results, as well as pricing/accounting information exchange.

## Requirements verified:

EOSD1695#B IMS-0625#B V0-0010#B V0-0060#B V0-0070#B V0-0080#B V0-0090#B V0-0100#B V0-0110#B V0-0120#B V0-0240#B V0-0350#B

Step ID	Test Station	Actions	Expected Results	Comments
1.001		Ensure the V0 System is up		
		and ready for access		
1.002		Verify the test data is		
		available, review and record		
		data sets available		
1.003		Verify the V0 Client is		
		available for access on the		
		PC or Workstation		
1.004		Record system and software		
		information. IP address of		
		PC or WS, environment		
		setup, known problems and		
		other relevant information		
		including date and time of		
		test.		
2.001		Log on to the PC or WS		
		located at the DAAC, or via		
		Telnet		
2.002		Input command to initialize	EOSDIS V0 IMS	
		the V0 IMS	initializing	
2.003		Select OK button	Welcome Screen	
2.004		Select Search Screen button	Search screen appears	
2.005		Select the Directory radio	The radio button will	
		button	appear depressed. The	
			screen will change	
			accordingly informing	
			you of special	

		restrictions and options.	
2.006	Select input criteria indicated in Table 5-2 for each DAAC, from the list of options presented to you		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for datasets from all V0 DAACs
2.007	Select Save Search button to save the selected criteria		Select name like GSFC5.1.1 for tracking purposes
2.008	Select Execute Search button from the bottom of the screen	Communications Status screen appears	
2.009	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted		
2.010	If the "Comments" button is highlighted Select it and observe the results	Returns a Comments sreen	
2.011	When the "Completed Status" column is green under the column labeled View, select the data button	"Directory Results Screen" is displayed	
2.012	After verifying that the information matches the criteria selected, select one of the datasets (reference Table 5-2) by clicking on the "count" button.	Highlights the dataset selected	
2.013	Click on Detail Directory button	Provides Detailed directory information	
2.014	Observe the following information: a) Brief Description, b) Attributes, c) Data Center, d) Personnel, e) Reference	All information should correspond to input selected	
2.015	Under the "Go To" menu, select "Current Data Set Information	Directory Results Screen Appears	
2.016	Select the Data set and under the "Go To" menu select Inventory, Selected data set	Prompt: Do you wish to confirm search parameters?	
2.017	At the prompt, click yes	Inventory search screen is displayed.	
2.018	Select the "Geographic Area" button	·	Select area specified in Table 5-2
2.019	Select the "Select From the Map"	Geographic selection screen appears	

2.020	Select the "Search Screen"	Returns to "Search Screen"	
2.021	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears	
2.022	When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed	
2.023	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned	
2.024	Select the order button	Returns the Order Screen	
2.025	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness
2.026	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.	
2.027	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order	
2.028	Log ID number for future reference		
2.029	Repeat steps 2.004 through 2.028		
2.030	Select the "Close" buttons on each screen	As the "Close" buttons are selected the Client backs out screen by screen until finished	Log off the V0 Client
2.031	Log on to the PC or WS		Log on to the ECS Client (B0SOT)
2.032	Type in the command to access the BOSOT.	A screen indicating access to the tool is displayed.	IMS GUI initialized
2.033	Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available
2.034	Click on User Profile and enter information: Save when information is complete.	This information is stored and referenced on subsequent logins.	
2.035	Click on "Directory" for type of search desired.	Directory search screen appears	
2.036	Choose Parameters information indicated in Table 5-2 for each DAAC	Information selected is displayed on the screen.	

2.037	Click on the "Save Search" button to save the selected parameters.	This search may be re- used later for regression purposes	Choose a save set name to identify the Test Case ID number (e.g., SFQ5.1.1B0)
2.038	Click on "Execute Search" button	The directory search window results appear	
2.039	View the "Communications Status" screen for status of the directory search in progress	Data Transmission status is indicated.	
2.040	Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully	The transaction is complete and data sets are available for viewing and transfer	
2.041	If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.	Additional information is displayed about the data transaction.	
2.042	Click on the "View Data" button to view the data sets available.	Several data sets and ID information are indicated on the directory results screen	
2.043	Verify that the data set information matches the parameter selections from the search screen	Data sets are expected to match the input parameters.	
2.044	Click on the "Count" button to select a data set.	The data set chosen is highlighted.	
2.045	Click on "Detailed Directory" button	Detailed directory information is displayed.	
2.046	Select each option and verify the information is based on the parameter information selected.	Detailed information is provided on the screen as each option is chosen.	
2.047	Verify the accuracy of the following information: a) Brief Description, b) Attribute, c) Data Center, d) Personnel, e) References	All information should correspond to the criteria selected.	
2.048	Under the "Go To" menu select the Current Data Set Information option	Directory Results Screen appears.	
2.049	Under the "Go To" menu select "Inventory" on selected data set	A Prompt appears "Do you wish to confirm search parameters?	
2.050	Select yes "To confirm	Inventory Search	

	search parameters".	screen appears.	
2.051	Choose 1) Campaign Project 2) Platform/Source 3) Instrument/Sensor 4) Parameter 5) All processing levels 6) Data set and Data Center Information indicated in Table 5-2	Information selected is displayed on the screen.	
2.052	Select the Geographic Area coverage options 1) Select from Map	A map appears to select Latitude and Longitude parameters	Select each option for separate searches
2.053	Select the 2) Rectangular Option	Choose S or N Latitude and E or W Longitude	
2.054	Select the 3) Four Corners Option	A screen appears with Four Corners and Latitude and Longitude is selected.	
2.055	Select the 4) Point and Range Option	A screen appears to select the Center Points for Longitude and Latitude	
2.056	Select the 5) Global Granules Only Option		
2.057	Select the 6) Global Search Option	A map appears to select the Northernmost, Southernmost, Easternmost and Westernmost Area	
2.058	Select "Both" for Day and Night Coverage		
2.059	Select the number of Granules		The default is 100. Use 100 for the inital search and change for subsequent searches.
2.060	Choose the Continuous Time Range Coverage		Select the Annually Repeating Time Period for subsequent searches and alternate.
2.061	Click on the "Save Search" button to save the parameters	The search information is saved.	
2.062	Click on the "Execute Search" button	Communications Status screen appears indicating status and number of granules found.	
2.063	In the "View" column click on "Data"	Inventory Results screen is displayed	
2.064	Select Data set indicated in Table 5-2 by clicking on the "Count" button		
2.065	Under the "Go To" menu, select Browse	Browse Results Screen is displayed	

2.066	Verify browse image size		Compare to data from V0 query results
2.067	Click on View Image	Browse Image is displayed	
2.068	Click the "Mark for Order" radio button		
2.069	Click the "Close" button		
2.070	Verify the Inventory Results screen indicates the product has been selected for order	Y is indicated in the column O next to the dataset desired	
2.071	Click on the "Order Data" button	Order Data screen appears	
2.072	Click on Package ID, select package options: 1) Processing Option, 2) Media Type, 3) Media Format	Package Options selection screen appears	
2.073	Click on OK	Order Data Screen appears	
2.074	Click on Submit Order	Order Data Communication Status appears indicating transmission of request.	
2.075	After Order request is transmitted successfully, Select "View Contact Information"	Information is displayed pertaining to the order (e.g., Data Center, ID number, phone numbers, etc.)	
2.076	Repeat steps 2.051 through 2.075 until all queries listed in Table 5-2 have been completed.		
2.077	Select Close on all screens	Client "backs out"	
3.001	Compare all data sets with the ones expected. Verify the amount of data, time coverage and benchmark information available	The data sets are expected to match the criteria and the benchmark data sets.	
3.002	Indicate any discrepancies		
3.003	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.	
3.004	Verify all sessions have been terminated. Retrieve printouts for future reference and further analysis.		

## **5.3.2** Directory, Inventory, Browse and Product Orders at the EDC DAAC (B.1)

LaRC DAAC (V0 as the Client, ECS as the Server)

Accessing ECS from the V0 Client is a Release B.1 capability.

This test case is to verify two-way interoperability. Using the V0 Client located at the LaRC DAAC to query the ECS servers for Directory, Guide and Inventory searches, conduct browse activities and order ECS data products archived at the ECS DAACs. The test will also verify that pricing information (ECS B.1 capability) is received.

Initial queries using the ECS Client to query for predetermined datasets (reference Table 5-2) at each of the ECS DAACs will be performed, and the results logged. Then the V0 Client will be used to query for the same datasets at the ECS DAACs, to determine that the V0 Client receives the same results as the ECS Client.

### Requirements verified:

EOSD1695#B IMS-0625#B IMS-0915#B V0-0010#B V0-0150#B V0-0160#B V0-0170#B V0-0180#B V0-0190#B V0-0200#B V0-0230#B V0-0240#B V0-0350#B V0-0380#B EOSD1740#B

#### **Test Procedures:**

Step ID	Test Station	Actions	Expected Results	Comments
1.001		Ensure the ECS System is up and ready for access		
1.002		Verify the test data is available, review and record data sets available		
1.003		Verify the ECS Client is available for access on the PC or Workstation		
1.004		Record system and software information. IP address of PC or WS, environment setup, known problems and other relevant information including date and time of test.		
2.001		Log on to the PC or WS		Log on to the ECS Client (B0SOT)
2.002		Type in the command to access the BOSOT.	A screen indicating access to the tool is displayed.	IMS GUI initialized
2.003		Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available
2.004		Click on User Profile and enter information: Save when information is	This information is stored and referenced on subsequent logins.	

	complete.		
2.005	Click on "Directory" for type	Directory search screen	
	of search desired.	appears	
2.006	Choose Parameters	Information selected is	
	information indicated in	displayed on the	
	Table 5-2 for each DAAC	screen.	
2.007	Click on the "Save Search"	This search may be re-	Choose a save set name
	button to save the selected	used later for	to identify the Test Case
	parameters.	regression purposes	ID number (e.g.,
2.009	Click on "Execute Search"	The dimentance country	SFQ5.1.1B0)
2.008	button	The directory search window results appear	
2.009	View the "Communications	Data Transmission	
2.009	Status" screen for status of	status is indicated.	
	the directory search in	status is maleated.	
	progress		
2.010	Verify that each button is	The transaction is	
	highlighted, indicating a	complete and data sets	
	successful completion: Open	are available for	
	Connection, Sending	viewing and transfer	
	Message, Receiving Results,		
	Completed Successfully		
2.011	If the "Comments" button is	Additional information	
	highlighted, this may	is displayed about the	
	indicate that data is	data transaction.	
	continuing to be accessed.		
	Click on "Comments" button to read additional		
	to read additional information concerning data		
	requested.		
2.012	Click on the "View Data"	Several data sets and	
2.012	button to view the data sets	ID information are	
	available.	indicated on the	
	!	directory results screen	
2.013	Verify that the data set	Data sets are expected	
	information matches the	to match the input	
	parameter selections from	parameters.	
	the search screen		
2.014	Click on the "Count" button	The data set chosen is	
2015	to select a data set.	highlighted.	
2.015	Click on "Detailed	Detailed directory	
	Directory" button	information is	
2.016	Select each option and verify	displayed.  Detailed information is	
2.010	the information is based on	provided on the screen	
	the parameter information	as each option is	
	selected.	chosen.	
2.017	Verify the accuracy of the	All information should	
	following information: a)	correspond to the	
	Brief Description, b)	criteria selected.	
	Attribute, c) Data Center, d)		
	Personnel, e) References		
2.018	Under the "Go To" menu	Directory Results	

	select the Current Data Set Information option	Screen appears.	
2.019	Under the "Go To" menu	A Prompt appears "Do	
2.01)	select "Inventory" on	you wish to confirm	
	selected data set	search parameters?	
2.020	Select yes "To confirm	Inventory Search	
2.020	search parameters".	screen appears.	
2.021	Choose 1) Campaign Project	Information selected is	
	2) Platform/Source 3)	displayed on the	
	Instrument/Sensor 4)	screen.	
	Parameter 5) All processing		
	levels 6) Data set and Data		
	Center Information indicated		
	in Table 5-2		
2.022	Select the Geographic Area	A map appears to select	Select each option for
	coverage options 1) Select	Latitude and Longitude	separate searches
	from Map	parameters	
2.023	Select the 2) Rectangular	Choose S or N Latitude	
	Option	and E or W Longitude	
2.024	Select the 3) Four Corners	A screen appears with	
	Option	Four Corners and	
		Latitude and Longitude	
		is selected.	
2.025	Select the 4) Point and	A screen appears to	
	Range Option	select the Center Points	
		for Longitude and	
2.025	5. 6111	Latitude	
2.026	Select the 5) Global		
2.027	Granules Only Option Select the 6) Global Search	A man annages to salast	
2.027	Option	A map appears to select the Northernmost,	
	Option	Southernmost,	
		Easternmost and	
		Westernmost Area	
2.028	Select "Both" for Day and		
	Night Coverage		
2.029	Select the number of		The default is 100. Use
	Granules		100 for the inital search
			and change for
			subsequent searches.
2.030	Choose the Continuous Time		Select the Annually
	Range Coverage		Repeating Time Period
			for subsequent searches
			and alternate.
2.031	Click on the "Save Search"	The search information	
	button to save the parameters	is saved.	
2.032	Click on the "Execute	Communications Status	
	Search" button	screen appears	
		indicating status and	
		number of granules	
2.022	Y 1 (XY)	found.	
2.033	In the "View" column click	Inventory Results	

	on "Data"	screen is displayed	
2.034	Select Data set indicated in Table 5-2 by clicking on the "Count" button		
2.035	Under the "Go To" menu, select Browse	Browse Results Screen is displayed	
2.036	Verify browse image size		Compare to data from V0 query results
2.037	Click on View Image	Browse Image is displayed	
2.038	Click the "Mark for Order" radio button		
2.039	Click the "Close" button		

2.053	Select input criteria indicated in Table 5-2 for each DAAC, from the list of options presented to you		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for datasets from all V0 DAACs
2.054	Select Save Search button to save the selected criteria		Select name like GSFC5.1.1 for tracking purposes
2.055	Select Execute Search button from the bottom of the screen	Communications Status screen appears	
2.056	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted		
2.057	If the "Comments" button is highlighted Select it and observe the results	Returns a Comments sreen	

2.058 When the "Completed

2.068	Select "Execute Search" button from the bottom of	"Communications Status" screen appears	
2.069	the screen  When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed	
2.070	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned	
2.071	Select the order button	Returns the Order Screen	
2.072	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness
2.073	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.	
2.074	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order	
2.075	Log ID number for future reference		
2.076	Repeat steps 2.051 through 2.076		
2.077	Select the "Close" buttons on each screen	As the "Close" buttons are selected the Client backs out screen by screen until finished	Log off the V0 Client
3.001	Compare all data sets with the ones expected. Verify the amount of data, time coverage and benchmark information available	The data sets are expected to match the criteria and the benchmark data sets.	
3.002	Indicate any discrepancies		
3.003	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.	
3.004	Verify all sessions have been terminated. Retrieve printouts for future reference and further analysis.		

# 5.4.1 Directory, Inventory, Browse and Product Orders at the NSIDC DAAC

NSIDC DAAC (ECS as the Client, V0 as the Server)

This test case is to verify that the ECS Client located at the NSIDC DAAC can perform Directory and Inventory searches, conduct browse activities and order V0 data products.

Initial queries using the V0 Client to query for predetermined datasets (reference Table 5-2) at each of the V0 DAACs will be performed, and the results logged. Then the ECS Client at the NSIDC DAAC, will be used to query for the same datasets to determine that the ECS Client receives the same results as the V0 Client.

For testing in the B.1 timeframe, this test will be executed, and will include Guide search/results, as well as pricing/accounting information exchange.

### Requirements verified:

EOSD1695#B IMS-0625#B V0-0010#B V0-0060#B V0-0070#B V0-0080#B V0-0090#B V0-0100#B V0-0110#B V0-0120#B V0-0240#B V0-0350#B

#### **Test Procedures:**

Step ID	Test Station	Actions	Expected Results	Comments
1.001		Ensure the V0 System is up and ready for access		
1.002		Verify the test data is available, review and record data sets available		
1.003		Verify the V0 Client is available for access on the PC or Workstation		
1.004		Record system and software information. IP address of PC or WS, environment setup, known problems and other relevant information including date and time of test.		
2.001		Log on to the PC or WS located at the DAAC, or via Telnet		
2.002		Input command to initialize the V0 IMS	EOSDIS V0 IMS initializing	
2.003		Select OK button	Welcome Screen	
2.004		Select Search Screen button	Search screen appears	
2.005		Select the Directory radio button	The radio button will appear depressed. The screen will change accordingly informing you of special restrictions and options.	

2.006	Select input criteria		To verify the ECS
	indicated in Table 5-2 for		Client can query all the
	each DAAC, from the list of		V0 Servers, this test
	options presented to you		will be ran to query for
			datasets from all V0
			DAACs
2.007	Select Save Search button to		Select name like
	save the selected criteria		GSFC5.1.1 for tracking purposes
2.008	Select Execute Search button	Communications Status	purposes
	from the bottom of the	screen appears	
	screen		
2.009	Observe the columns		
	representing the search		
	progress. Note if the		
	"Receiving Results" column		
	is highlighted. Note if transaction is aborted		
2.010	If the "Comments" button is	Returns a Comments	
2.010	highlighted Select it and	sreen	
	observe the results	Sicon	
2.011	When the "Completed	"Directory Results	
	Status" column is green	Screen" is displayed	
	under the column labeled		
	View, select the data button		
2.012	After verifying that the	Highlights the dataset	
	information matches the	selected	
	criteria selected, select one of		
	the datasets (reference Table		
	5-2) by clicking on the "count" button.		
2.013	Click on Detail Directory	Provides Detailed	
2.013	button	directory information	
2.014	Observe the following	All information should	
	information: a) Brief	correspond to input	
	Description, b) Attributes, c)	selected	
	Data Center, d) Personnel, e)		
	Reference		
2.015	Under the "Go To" menu,	Directory Results	
	select "Current Data Set	Screen Appears	
2.016	Information Select the Data set and under	Duranti Da man miah ta	
2.016	the "Go To" menu select	Prompt: Do you wish to confirm search	
	Inventory, Selected data set	parameters?	
	inventory, selected data set	parameters:	
2.017	At the prompt, click yes	Inventory search screen	
		is displayed.	
2.018	Select the "Geographic		Select area specified in
	Area" button		Table 5-2
2.019	Select the "Select From the	Geographic selection	
2.020	Map"	screen appears	
2.020	Select the "Search Screen"	Returns to "Search	
		Screen"	

the screen When the "Completed Status" column is green, select the data button Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.  2.024 Select the order button Select the data set and click Package options Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Select the data set and click Package options  Status indicating the transmission of the order is displayed.  Communications Status indicating the transmission of the order is displayed.  2.027  Communications Status Screen indicates order was completed successfully. Click on "Contar and the ID for tracking the order tracking the order of track	2.021	Select "Execute Search"	"Communications	
When the "Completed Status" column is green, select the data button			Status" screen appears	
2.023 Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it. 2.024 Select the data set and click Package options  2.025 Select the data set and click Package options  2.026 Fill in the appropriate information for ordering media. Click submit order.  2.027 Communications Status screen indicates order was completed successfully. Click on "Contact Information" button  2.028 Log ID number for future reference  2.029 Repeat steps 2.004 through 2.028  2.030 Select the "Close" buttons on each screen by screen until finished  2.031 Log on to the PC or WS  2.032 Type in the command to access the BOSOT.  2.033 Select the Advertising icon on the workstation desktop on the workstation desktop of search desired.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information indicated in Table 5-2 for each DAAC  Click on the "Save Search" This is search may be re-				
Select the data button   Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	2.022		-	
Available" (BA) column for the "Integrated Browse" (FB) capability and select it.  2.024 Select the order button  Select the data set and click Package options  Communication Status indicating the transmission of the order is displayed.  Displays information pertaining to the Data Center and the ID for tracking the order  2.028 Log ID number for future reference  2.029 Repeat steps 2.004 through 2.028  2.030 Select the "Close" buttons on each screen  Select the "Close" buttons on each screen  Select the "Close" buttons on each screen  Select the Advertising icon on the workstation desktop  Information is complete.  2.031 Click on User Profile and enter information: Save when information indicated in Table 5-2 for each DAAC  Click on the "Save Search" This search may be re-  Choose a save set name		select the data button		
the "Integrated Browse" (FB) capability and select it.  Select the order button Screen  Select the data set and click Package options  Fill in the appropriate information for ordering media. Click submit order.  Communication Status information or ordering media. Click submit order.  Communication Status screen indicates order was completed successfully. Click on "Contact Information" button  Cogy Repeat steps 2.004 through 2.028  Cogy Select the "Close" buttons on each screen ach screen until finished  Log on to the PC or WS  Click on User Profile and enter information: Save when information indicated in Table 5-2 for each DAAC  Click on the "Save Search" This search may be re-  Returns package available  Communication Status indicating the transmission of the order savailable available to particular to verify correctness  Communication Status indicating the transmission of the tran	2.023			
CFB) capability and select it.   Select the order button   Screen   Scree			returned	
Select the order button   Returns   the Order   Screen				
Select the data set and click Package options	2.024		Returns the Order	
2.026   Fill in the appropriate information for ordering media. Click submit order.   Communication Status indicating the transmission of the order is displayed.   2.027   Communications Status screen indicates order was completed successfully. Click on "Contact Information" button   Log ID number for future reference   2.028   Log ID number for future reference   2.029   Repeat steps 2.004 through 2.028   2.030   Select the "Close" buttons on each screen   2.029   Repeat steps 2.004 through 2.028   2.031   Log on to the PC or WS   2.032   Type in the command to access the BOSOT.   2.033   Select the Advertising icon on the workstation desktop   2.034   Click on "User Profile and enter information: Save when information: Save when information: Save when information is complete.   2.035   Click on "Directory" for type of reday and reference   2.036   Choose Parameters information is secreen.   2.037   Click on the "Save Search" This search may be re-	2.024	Select the order button		
2.026   Fill in the appropriate information for ordering media. Click submit order.  2.027   Communications Status screen indicates order was completed successfully. Click on "Contact Information" button  2.028   Log ID number for future reference  2.029   Repeat steps 2.004 through 2.028  2.030   Select the "Close" buttons on each screen was creen until finished  2.031   Log on to the PC or WS  2.032   Type in the command to access the B0SOT.  2.033   Select the Advertising icon on the workstation desktop on the workstation desktop when information: Save when information: Save when information: Save when information: Save when information is complete.  2.036   Click on "Directory" for type of search desired.  2.037   Click on the "Save Search" This search may be re-  2.037   Click on the "Save Search" This search may be re-  2.038   Choose a save set name	2.025		1 0	
2.026   Fill in the appropriate information for ordering media. Click submit order.  2.027   Communications Status screen indicates order was completed successfully. Click on "Contact Information" button  2.028   Log ID number for future reference  2.029   Repeat steps 2.004 through 2.028  2.030   Select the "Close" buttons on each screen on each screen with the part of the p		Package options	available	
information for ordering media. Click submit order.  Communications Status screen indicates order was completed successfully. Click on "Contact Information" button Information button Partaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Information pertaining to the Data Center and the ID for tracking the order Informations are selected the Client backs out screen by screen until finished  Log off the V0 Client Log on to the ECS Client (B0SOT)  Type in the command to access to the tool is displayed.  A screen indicating access to the tool is displayed.  Advertising information will be displayed.  Advertising information is stored and referenced on subsequent logins.  Click on User Profile and enter information: Save when information is stored and referenced on subsequent logins.  Click on "Directory" for type of search desired.  Choose Parameters information selected is displayed on the screen.  Click on the "Save Search" This search may be re-  Choose a save set name				•
2.027 Communications Status screen indicates order was completed successfully. Click on "Contact Information" button  2.028 Log ID number for future reference  2.029 Repeat steps 2.004 through 2.028  2.030 Select the "Close" buttons on each screen  2.021 Log on to the PC or WS  2.031 Log on to the PC or WS  2.032 Type in the command to access the BOSOT.  2.033 Select the Advertising icon on the workstation desktop on the workstation desktop information is complete.  2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information indicated in Table 5-2 for each DAAC  2.037 Click on the "Save Search" This search may be re-  Choose a save set name	2.026	11 1		
2.027 Communications Status screen indicates order was completed successfully. Celter and the ID for tracking the order  2.028 Log ID number for future reference 2.029 Repeat steps 2.004 through 2.028 2.030 Select the "Close" buttons on each screen stacks out screen by screen until finished  2.031 Log on to the PC or WS  2.032 Type in the command to access the B0SOT.  2.033 Select the Advertising icon on the workstation desktop on the workstation desktop when information: Save when information is complete.  2.034 Click on "Directory" for type of search desired.  2.036 Choose Parameters information selected is displayed on the "Save search" This search may be re-  Choose a save set name  Oisplays information pertaining to the Data Center and the ID for tracking the roder tracking the Data Center and the ID for tracking the retaining to the Data Center and the ID for tracking the order  As the "Close" buttons are selected the Client backs out screen by screen until finished  Log off the V0 Client  Log on to the ECS Client (B0SOT)  IMS GUI initialized access to the tool is displayed.  Verify data selected from the V0 queries is available  2.034 Click on "Directory" for type of search desired.  Directory search screen appears  Information selected is displayed on the screen.  Click on the "Save Search" This search may be re-				
Communications   Status   Screen indicates order was   Compeled   Successfully.   Click   On "Contact   Information" button		media. Click submit order.		
Completed successfully. Center and the ID for tracking the order	2.027	Communications Status		
Click on "Contact Information" button				
Information" button  Log ID number for future reference  2.029 Repeat steps 2.004 through 2.028  2.030 Select the "Close" buttons on each screen  Log on to the PC or WS  Log on to the PC or WS  Log on to the ECS Client (B0SOT)  Type in the command to access the B0SOT.  2.031 Select the Advertising icon on the workstation desktop on the workstation desktop on the workstation desktop information will be displayed.  2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information indicated in Table 5-2 for each DAAC  2.037 Click on the "Save Search" This search may be re-  Choose a save set name		-		
Log ID number for future reference   Repeat steps 2.004 through 2.028			tracking the order	
Repeat steps 2.004 through 2.028   Select the "Close" buttons on each screen   As the "Close" buttons are selected the Client backs out screen by screen until finished	2.020			
2.030  Select the "Close" buttons on each screen  Every screen until finished  2.031  Log on to the PC or WS  Log on to the ECS Client (B0SOT)  Type in the command to access the B0SOT.  2.032  Select the Advertising icon on the workstation desktop on the workstation desktop information will be displayed.  2.034  Click on User Profile and enter information: Save when information is complete.  2.035  Click on "Directory" for type of search desired.  Choose Parameters information selected is information indicated in Table 5-2 for each DAAC  Click on the "Save Search"  Choose a save set name	2.028			
each screen  each screen  are selected the Client backs out screen by screen until finished  2.031  Log on to the PC or WS  Type in the command to access the B0SOT.  Select the Advertising icon on the workstation desktop on the workstation desktop on the workstation:  Click on User Profile and enter information: Save when information is complete.  Click on "Directory" for type of search desired.  Choose Parameters information selected is information indicated in Table 5-2 for each DAAC  Click on the "Save Search" This search may be re-  Choose a save set name	2.029			
backs out screen by screen until finished  Log on to the PC or WS  Log on to the ECS Client (B0SOT)  Type in the command to access to the tool is displayed.  Select the Advertising icon on the workstation desktop information will be displayed.  Click on User Profile and enter information: Save when information is complete.  Click on "Directory" for type of search desired.  Choose Parameters information selected is displayed on the screen.  Click on the "Save Search" This search may be re-  Choose a save set name	2.030			Log off the V0 Client
2.031 Log on to the PC or WS  Type in the command to access the BOSOT.  2.032 Select the Advertising icon on the workstation desktop on the workstation desktop information will be displayed.  2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information selected is information indicated in Table 5-2 for each DAAC  2.037 Click on the "Save Search" This search may be re-  Cloose a save set name		each screen		
2.032				
2.032 Type in the command to access the B0SOT.  Select the Advertising icon on the workstation desktop	2.031	Log on to the PC or WS	screen until finished	Log on to the ECS
2.033 Select the Advertising icon on the workstation desktop information will be displayed.  2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information selected is information indicated in Table 5-2 for each DAAC  2.037 Click on the "Save Search" This search may be re-  Choose a save set name		8		Client (B0SOT)
2.033 Select the Advertising icon on the workstation desktop information will be displayed.  2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information indicated in Table 5-2 for each DAAC  2.037 Choose a save set name	2.032	* *		IMS GUI initialized
2.033 Select the Advertising icon on the workstation desktop information will be displayed.  2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information selected is information indicated in Table 5-2 for each DAAC  2.037 Choose Save Search advertising information will be from the V0 queries is available  This information is stored and referenced on subsequent logins.  2.036 Click on "Directory" for type of search screen appears  Information selected is displayed on the screen.  Choose a save set name		access the BOSOT.		
on the workstation desktop displayed.  Click on User Profile and enter information: Save when information is complete.  Click on "Directory" for type of search desired.  Choose Parameters information selected is information indicated in Table 5-2 for each DAAC  Click on the "Save Search"  Choose a save set name from the V0 queries is available  This information is stored and referenced on subsequent logins.  Directory search screen appears  Information selected is displayed on the screen.	2.023	Salast the Advantising issue		Varify data calcated
2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  Choose Parameters information selected is information indicated in Table 5-2 for each DAAC  Click on the "Save Search" This search may be re-  Choose a save set name	2.033	_	_	<u> </u>
2.034 Click on User Profile and enter information: Save when information is complete.  2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters information indicated in Table 5-2 for each DAAC  2.037 Click on the "Save Search" This search may be re-  Click on User Profile and This information is stored and referenced on subsequent logins.  Directory search screen appears  Information selected is displayed on the screen.  Choose a save set name		on the workstation desktop		-
enter information: Save when information is complete.  2.035  Click on "Directory" for type of search desired.  Choose Parameters information indicated in Table 5-2 for each DAAC  Click on the "Save Search"  Choose a save set name  Save stored and referenced on subsequent logins.  Directory search screen appears  Information selected is displayed on the screen.  Choose a save set name	2.034	Click on User Profile and		
complete.  2.035  Click on "Directory" for type of search desired.  Choose Parameters Information selected is information indicated in displayed on the Table 5-2 for each DAAC  Click on the "Save Search" This search may be re-Choose a save set name		enter information: Save		
2.035 Click on "Directory" for type of search desired.  2.036 Choose Parameters Information selected is information indicated in Table 5-2 for each DAAC screen.  2.037 Click on the "Save Search" This search may be re- Choose a save set name			on subsequent logins.	
2.036 Choose Parameters Information selected is information indicated in displayed on the Table 5-2 for each DAAC screen.  2.037 Click on the "Save Search" This search may be re- Choose a save set name				
2.036 Choose Parameters Information selected is information indicated in displayed on the Table 5-2 for each DAAC screen.  2.037 Click on the "Save Search" This search may be re- Choose a save set name	2.035		-	
information indicated in displayed on the Table 5-2 for each DAAC screen.  2.037 Click on the "Save Search" This search may be re- Choose a save set name	2.026			
Table 5-2 for each DAAC screen.  2.037 Click on the "Save Search" This search may be re- Choose a save set name	2.036			
2.037 Click on the "Save Search" This search may be re- Choose a save set name			* *	
	2.037			Choose a save set name
		button to save the selected	used later for	to identify the Test Case

	parameters.	regression purposes	ID number SFQ5.1.1B0)	(e.g.,
2.038	Click on "Execute Search" button	The directory search window results appear		
2.039	View the "Communications Status" screen for status of the directory search in progress	Data Transmission status is indicated.		
2.040	Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully	The transaction is complete and data sets are available for viewing and transfer		
2.041	If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.			

	2) Platform/Source 3) Instrument/Sensor 4) Parameter 5) All processing levels 6) Data set and Data Center Information indicated in Table 5-2	displayed on the screen.	
2.052	Select the Geographic Area coverage options 1) Select from Map	A map appears to select Latitude and Longitude parameters	Select each option for separate searches
2.053	Select the 2) Rectangular Option	Choose S or N Latitude and E or W Longitude	
2.054	Select the 3) Four Corners Option	A screen appears with Four Corners and Latitude and Longitude is selected.	
2.055	Select the 4) Point and Range Option	A screen appears to select the Center Points for Longitude and Latitude	
2.056	Select the 5) Global Granules Only Option		
2.057	Select the 6) Global Search Option	A map appears to select the Northernmost, Southernmost, Easternmost and Westernmost Area	
2.058	Select "Both" for Day and Night Coverage		
2.059	Select the number of Granules		The default is 100. Use 100 for the inital search and change for subsequent searches.
2.060	Choose the Continuous Time Range Coverage		Select the Annually Repeating Time Period for subsequent searches and alternate.
2.061	Click on the "Save Search" button to save the parameters	The search information is saved.	
2.062	Click on the "Execute Search" button	Communications Status screen appears indicating status and number of granules found.	
2.063	In the "View" column click on "Data"	Inventory Results screen is displayed	
2.064	Select Data set indicated in Table 5-2 by clicking on the "Count" button		
2.065	Under the "Go To" menu, select Browse	Browse Results Screen is displayed	
2.066	Verify browse image size		Compare to data from V0 query results

2.067	Click on View Image	Browse Image is displayed	
2.068	Click the "Mark for Order" radio button		
2.069	Click the "Close" button		
2.070	Verify the Inventory Results screen indicates the product has been selected for order	Y is indicated in the column O next to the dataset desired	
2.071	Click on the "Order Data" button	Order Data screen appears	
2.072	Click on Package ID, select package options: 1) Processing Option, 2) Media Type, 3) Media Format	Package Options selection screen appears	
2.073	Click on OK	Order Data Screen appears	
2.074	Click on Submit Order	Order Data Communication Status appears indicating transmission of request.	
2.075	After Order request is transmitted successfully, Select "View Contact Information"	Information is displayed pertaining to the order (e.g., Data Center, ID number, phone numbers, etc.)	
2.076	Repeat steps 2.033 through 2.075 until all queries listed in Table 5-2 have been completed.		
2.077	Select Close on all screens	Client "backs out"	
3.001	Compare all data sets with the ones expected. Verify the amount of data, time coverage and benchmark information available	The data sets are expected to match the criteria and the benchmark data sets.	
3.002	Indicate any discrepancies		
3.003	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.	
3.004	Verify all sessions have been terminated. Retrieve printouts for future reference and further analysis.		

## **5.4.2** Directory, Inventory, Browse and Product Orders at the NSIDC DAAC (B.1)

NSIDC DAAC (V0 as the Client, ECS as the Server)

Accessing ECS from the V0 Client is a Release B.1 capability.

This test case is to verify two-way interoperability. Using the V0 Client located at the NSIDC DAAC to query the ECS servers for Directory, Guide and Inventory searches, conduct browse activities and order ECS data products archived at the ECS DAACs. The test will also verify that pricing information (ECS B.1 capability) is received.

Initial queries using the ECS Client to query for predetermined datasets (reference Table 5-2) at each of the ECS DAACs will be performed, and the results logged. Then the V0 Client will be used to query for the same datasets at the ECS DAACs, to determine that the V0 Client receives the same results as the ECS Client.

#### Requirements verified:

EOSD1695#B IMS-0625#B IMS-0915#B V0-0010#B V0-0150#B V0-0160#B V0-0170#B V0-0180#B V0-0190#B V0-0200#B V0-0230#B V0-0240#B V0-0350#B V0-0380#B EOSD1740#B

#### **Test Procedures:**

Step ID	Test Station	Actions	Expected Results	Comments
1.001		Ensure the ECS System is up and ready for access		
1.002		Verify the test data is available, review and record data sets available		
1.003		Verify the ECS Client is available for access on the PC or Workstation		
1.004		Record system and software information. IP address of PC or WS, environment setup, known problems and other relevant information including date and time of test.		
2.001		Log on to the PC or WS		Log on to the ECS Client (B0SOT)
2.002		Type in the command to access the B0SOT.	A screen indicating access to the tool is displayed.	IMS GUI initialized
2.003		Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available
2.004		Click on User Profile and enter information: Save when information is complete.	This information is stored and referenced on subsequent logins.	
2.005		Click on "Directory" for type of search desired.	Directory search screen appears	
2.006		Choose Parameters	Information selected is	

Click on the "Save Search" button to save the selected parameters.   Choose a save to identify the to identify the second parameters.   Choose a save to identify the second parameters.   Choose a save to identify the second parameters   Choose a save to identify the second parameters   Choose a save to identify the second parameter selection   The directory search window results appear	Test Case
2.009  View the "Communications Status" screen for status of the directory search in progress  2.010  Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully  2.011  If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.  2.012  Click on the "View Data" button to view the data sets and button to view the data sets available.  Verify that the data set information matches the parameter selections from Data status is indicated.  The transmission status is indicated.  The transaction is complete and data sets are available for viewing and transfer  Additional information is displayed about the data transaction.  Several data sets and ID information are indicated on the directory results screen  Data sets are expected to match the input parameters.	
2.010  View the "Communications Status" screen for status of the directory search in progress  2.010  Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully  2.011  If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.  2.012  Click on the "View Data" button to view the data sets available.  Verify that the data set information matches the parameter selections from  Viewing and transfer  Additional information is displayed about the data transaction.  Several data sets and ID information are indicated on the directory results screen	
2.010  Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully  2.011  If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.  2.012  Click on the "View Data" button to view the data sets available.  Click on the "View Data" button to view the data sets available.  Verify that the data set indicated on the directory results screen  Verify that the data set information matches the parameter selections from parameters.	
2.011  If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.  2.012  Click on the "View Data" button to view the data sets and button to view the data sets available.  Verify that the data set indicated on the directory results screen  Verify that the data set information matches the parameter selections from parameters.	
button to view the data sets available.  2.013  Verify that the data set indicated on the directory results screen  Uverify that the data set information matches the parameter selections from parameters.	
Verify that the data set Data sets are expected information matches the to match the input parameter selections from parameters.	
the search selecti	
2.014 Click on the "Count" button to select a data set.  Click on the "Count" button highlighted.	
2.015 Click on "Detailed Detailed directory information is displayed.	
2.016 Select each option and verify the information is based on the parameter information as each option is chosen.  Select each option and verify provided on the screen as each option is chosen.	
2.017 Verify the accuracy of the following information: a) Brief Description, b) Attribute, c) Data Center, d) Personnel, e) References	
2.018  Under the "Go To" menu Directory Results select the Current Data Set Screen appears.  Information option  Under the "Go To" menu A Prompt appears "Do	

2.019 Under the "Go To" menu A Prompt appears "Do select "Inventory" on

	selected data set	search parameters?	
2.020	Select yes "To confirm	Inventory Search	
	search parameters".	screen appears.	
2.021	Choose 1) Campaign Project	Information selected is	
	2) Platform/Source 3)	displayed on the	
	Instrument/Sensor 4)	screen.	
	Parameter 5) All processing		
	levels 6) Data set and Data		
	Center Information indicated		
	in Table 5-2		
2.022	Select the Geographic Area	A map appears to select	Select each option for
	coverage options 1) Select	Latitude and Longitude	separate searches
2022	from Map	parameters	
2.023	Select the 2) Rectangular	Choose S or N Latitude	
2.024	Option	and E or W Longitude	
2.024	Select the 3) Four Corners	A screen appears with Four Corners and	
	Option		
		Latitude and Longitude is selected.	
2.025	Select the 4) Point and	A screen appears to	
2.023	Range Option	select the Center Points	
	range option	for Longitude and	
		Latitude	
2.026	Select the 5) Global		
	Granules Only Option		
2.027	Select the 6) Global Search	A map appears to select	
	Option	the Northernmost,	
		Southernmost,	
		Easternmost and	
		Westernmost Area	
2.028	Select "Both" for Day and		
2.020	Night Coverage		TEL 1.0 1.1 100 TT
2.029	Select the number of		The default is 100. Use
	Granules		100 for the inital search
			and change for
2.030	Choose the Continuous Time		subsequent searches.  Select the Annually
2.030	Range Coverage		Select the Annually Repeating Time Period
	Range Coverage		for subsequent searches
			and alternate.
2.031	Click on the "Save Search"	The search information	
	button to save the parameters	is saved.	
2.022	Click on the "Evecute		1

2.032 Click on the "Execute Communications Status Search" button screen appears

Communications Status screen appears indicating status and number of granules found.

2.035	Under the "Go To" menu, select Browse	Browse Results Screen is displayed	
2.036	Verify browse image size		Compare to data from V0 query results
2.037	Click on View Image	Browse Image is displayed	
2.038	Click the "Mark for Order" radio button		
2.039	Click the "Close" button		
2.040	Verify the Inventory Results screen indicates the product has been selected for order	Y is indicated in the column O next to the dataset desired	
2.041	Click on the "Order Data" button	Order Data screen appears	
2.042	Click on Package ID, select package options: 1) Processing Option, 2) Media Type, 3) Media Format	Package Options selection screen appears	
2.043	Click on OK	Order Data Screen appears	
2.044	Click on Submit Order	Order Data Communication Status appears indicating transmission of request.	
2.045	After Order request is transmitted successfully, Select "View Contact Information"	Information is displayed pertaining to the order (e.g., Data Center, ID number, phone numbers, etc.)	
2.046	Repeat steps 2.003 through 2.045 until all queries listed in Table 5-2 have been completed.		
2.047	Select Close on all screens	Client "backs out"	
2.048	Log on to the PC or WS located at the DAAC, or via Telnet		
2.049	Input command to initialize the V0 IMS	EOSDIS V0 IMS initializing	
2.050	Select OK button	Welcome Screen	
2.051	Select Search Screen button	Search screen appears	
2.052	Select the Directory radio button	The radio button will appear depressed. The screen will change accordingly informing you of special restrictions and options.	
2.053	Select input criteria indicated in Table 5-2 for each DAAC, from the list of options presented to you		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for

			datasets from all V0 DAACs
2.054	Select Save Search button to save the selected criteria		Select name like GSFC5.1.1 for tracking purposes
2.055	Select Execute Search button from the bottom of the screen	Communications Status screen appears	
2.056	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted		
2.057	If the "Comments" button is highlighted Select it and observe the results	Returns a Comments sreen	
2.058	When the "Completed Status" column is green under the column labeled View, select the data button	"Directory Results Screen" is displayed	
2.059	After verifying that the information matches the criteria selected, select one of the datasets (reference Table 5-2) by clicking on the "count" button.	Highlights the dataset selected	
2.060	Click on Detail Directory button	Provides Detailed directory information	
2.061	Observe the following information: a) Brief Description, b) Attributes, c) Data Center, d) Personnel, e) Reference	All information should correspond to input selected	
2.062	Under the "Go To" menu, select "Current Data Set Information	Directory Results Screen Appears	
2.063	Select the Data set and under the "Go To" menu select Inventory, Selected data set	Prompt: Do you wish to confirm search parameters?	
2.064	At the prompt, click yes	Inventory search screen is displayed.	
2.065	Select the "Geographic Area" button		Select area specified in Table 5-2
2.066	Select the "Select From the Map"	Geographic selection screen appears	
2.067	Select the "Search Screen"	Returns to "Search Screen"	
2.068	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears	

When the "Completed "Inventory Results" Status" column is green, select the data button

2.069